

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

JAN 09 2002

Docket No.
JPP-1266NP

In Re Application Of: WEITAO JIA, SHUHUA JIN

Serial No. 10/005,298	Filing Date 12/5/01	Examiner	Group Art Unit
Title: DENTAL/MEDICAL COMPOSITES COMPRISING DEGRADABLE POLYMERS AND METHODS OF MANUFACTURE THEREOF			

Address to:

Assistant Commissioner for Patents
Washington, D.C. 20231

HQ

37 CFR 1.97(b)

- The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

- The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

the statement specified in 37 CFR 1.97(e);

OR

the fee set forth in 37 CFR 1.17(p).

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DENTAL/MEDICAL COMPOSITES COMPRISING DEGRADABLE POLYMERS AND METHODS
OF
MANUFACTURE THEREOF

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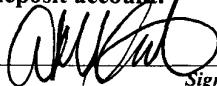
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Applicant(s): WEITAO JIN, SHUHUA JIN

Docket No.

JPP-1266NP

Serial No.
10/005,298Filing Date
12/5/01

Examiner

Group Art Unit

Invention: DENTAL/MEDICAL COMPOSITES COMPRISING DEGRADABLE POLYMERS AND METHODS OF MANUFACTURE THEREOF

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GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	3,066,112	11/27/62	BOWEN			
	3,925,112	11/27/62	KILMENT			
	3,991,008	11/9/76	TEMIN			
	4,103,002	7/25/78	HENCH			
	4,159,358	6/26/79	HENCH			
	4,171,544	10/23/79	HENCH			
	4,189,325	2/19/80	BARRETT			
	4,234,972	11/25/80	HENCH			
	4,240,832	12/23/80	JANDOUREK			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Hench, L.L., "The Kinetics of Bioactive Ceramics - Part I: Reaction Rates" Bioceramics: 3rd Intl Symp Ceramics in Medicine; Terre Haute, IN; November, 1990, pp. 43-45
		Andersson, O.H., "The Kinetics of Bioactive Ceramics - Part II: Surface Reactions of Three Bioactive Glasses" Bioceramics: 3rd Intl Symp Ceramics in Medicine; Terre Haute, IN; November, 1990; ISCM, pp. 46-end of article

EXAMINER	DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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			WEITAO JIA, SHUHUA JIN FILING 12/5/01		GROUP		
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		6,054,400	4/25/00	BRINK			
		6,086,374	7/11/00	LITKOWSKI			
		5,891,233	4/6/99	SALONEN			
		5,735,942	4/7/98	LIKOWSKI			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES
							NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
		West, J.K; Hench, L.L., "Reaction kinetics of bioactive ceramics Part V: Molecular orbital modelling of bioactive glass surface reactions" <i>Bioceramics</i> , Volume 5, pp. 75-86. 1992.					
		Zhong, J.P., "The Kinetics of Bioactive Ceramics Part VII: Binding of Collagen to Hydroxyapatite and Bioactive Glass" <i>Bioceramics</i> , Vol 7, July 1994, pp. 61-66.					
EXAMINER			DATE CONSIDERED				
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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,449,938	5/22/84	POLLAK			
	4,544,359	10/1/85	WAKNINE			
	4,547,531	10/15/85	WAKNINE			
	4,775,646	10/4/88	HENCH			
	4,851,046	7/25/89	LOW			
	4,986,754	1/22/91	CHANG			
	5,074,916	12/24/91	HENCH			
	5,518,680	5/21/96	CIMA			
	5,981,412	11/9/99	HENCH			
	6,013,591	1/11/00	YING			
	6,051,247	4/18/00	HENCH			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Hench, L.L., Anderson, OH, "The Kinetics of Bioactive Ceramics Part III: Surface reactions of Bioactive glasses compared with inactive glass" Bioceramics, September, 1991, pp. 155-162.
		Hench, L.L., Latorre, GP, "Reaction kinetics of bioactive ceramics part IV: Effect of glass and solution composition" Bioceramics, Vol. 5, pp. 67-74. 1992.

EXAMINER

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		Applicant(s) WEITAO JIA, SHUHUA JIN	Filing Date 12/5/01
*EXAMINER INITIAL	OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>		
	<p>"The Mineral Apatite," [http://www.galleries.com/minerals/phosphat/apatite/apatite.htm] November 29, 2000.</p>		
	<p>PerioGlas Product Information from U.S. Biomaterials Corporation, Alachua, Florida [http://www.usbiomat.com/perioglas.html], November 15, 2000</p>		
	<p>Nova Bone Product Information from U.S. Biomaterials Corporation, Alachua, Florida [http://www.usbiomat.com/novabone.html], November 15, 2000</p>		
	<p>Bioglass Product Information from U.S. Biomaterials Corporation, Alachua, Florida [http://www.usbiomat.com/bioglass.html], November 15, 2000</p>		
	<p>"Pushing the boundaries of tradition, researchers are the catalysts for change" http://www.health.ufl.edu/bullets/invent.html, November 15, 2000</p>		
	<p>PerioGlass Product Information, U.S. Biomaterials Corporation http://www.tracomservices.com/perioglas/perioglas.htm, November 15, 2000</p>		
	<p>Han, Y.K; Ederman, P.G., Huang, S.J., "Synthesis and characterization of crosslinked polymers for biomedical composites" Journal of Macromolecular Science, A-25, (5-7), pp. 847-869 (1988)</p>		
	<p>Langstaff, Sarah, "Development of a bulk calcium phosphate ceramic capable of supporting osteoclastic resorption" [http://www.phy-server.queensu.ca/wwwhome/assg/sarah.htm] November, 2000.</p>		
	<p>Eguiburu, J.L.; Fernandez Berridi, M.J.; San Roman, J. "Functionalization of poly (l-lactide) macromonomers by ring-opening polymerization of l-lactide initiated with hydroxyethyl methacrylate-aluminum alkoxides" Polymer, Vo. 36, No. 1, pp. 173-179 (1995)</p>		
	<p>Onyari, J.M., Huang, S.J., "Multi-Component Comb Shaped and Networks Containing Poly (Lactic Acid)," Polymer Material Science and Engineering, Vol. 72, No. 1 p. 137. (1995)</p>		
	<p>Huang, S.M., Onyari, J.M., "Multicomponent Polymers of Poly (Lactic Acid) Macromonomers with Methacrylate Terminal and Copolymers of Poly (2-Hydroxyethyl Methacrylate)," Journal of Macromolecular Science - Pure Applied Chemistry Vo. A33, No. 5, pp. 571-584 (1996)</p>		
	<p>Barakat, I., Dubois, PH, Jerome, R. Teyssie, PH, Goethals, E., "Macromolecular Engineering of Polylactones and Polylactides XV. Poly (D,L) Lactide Macromonomers as Precursors of Polymer Chem. Ed., Vo. 32, p. 2099-2110 (1994).</p>		
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